

## MOBILE HANDSET AS TTY DEVICE

### ABSTRACT OF THE DISCLOSURE

A mobile communication device **10** for converting between alphanumeric data and TTY formatted data. A conversion table **20, 40** is stored in a memory associated with microprocessor **16** of mobile **10**. Microprocessor **16** converts alphanumeric characters input by a user to TTY formatted data for transmission in digital mode. TTY formatted signals that are received by mobile **10** are converted to alphanumeric data by TTY decoder **26** and microprocessor **16** for display on mobile display **14**. In analog mode, tone generator **44** produces a Baudot tone formatted signal for transmission from mobile **10**. Tone detector **46** detects Baudot tone formatted signals received in analog mode. Microprocessor **16** converts the Baudot tone formatted signals to alphanumeric data for display on display **14**.

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